

FIG. 1 PRIOR ART

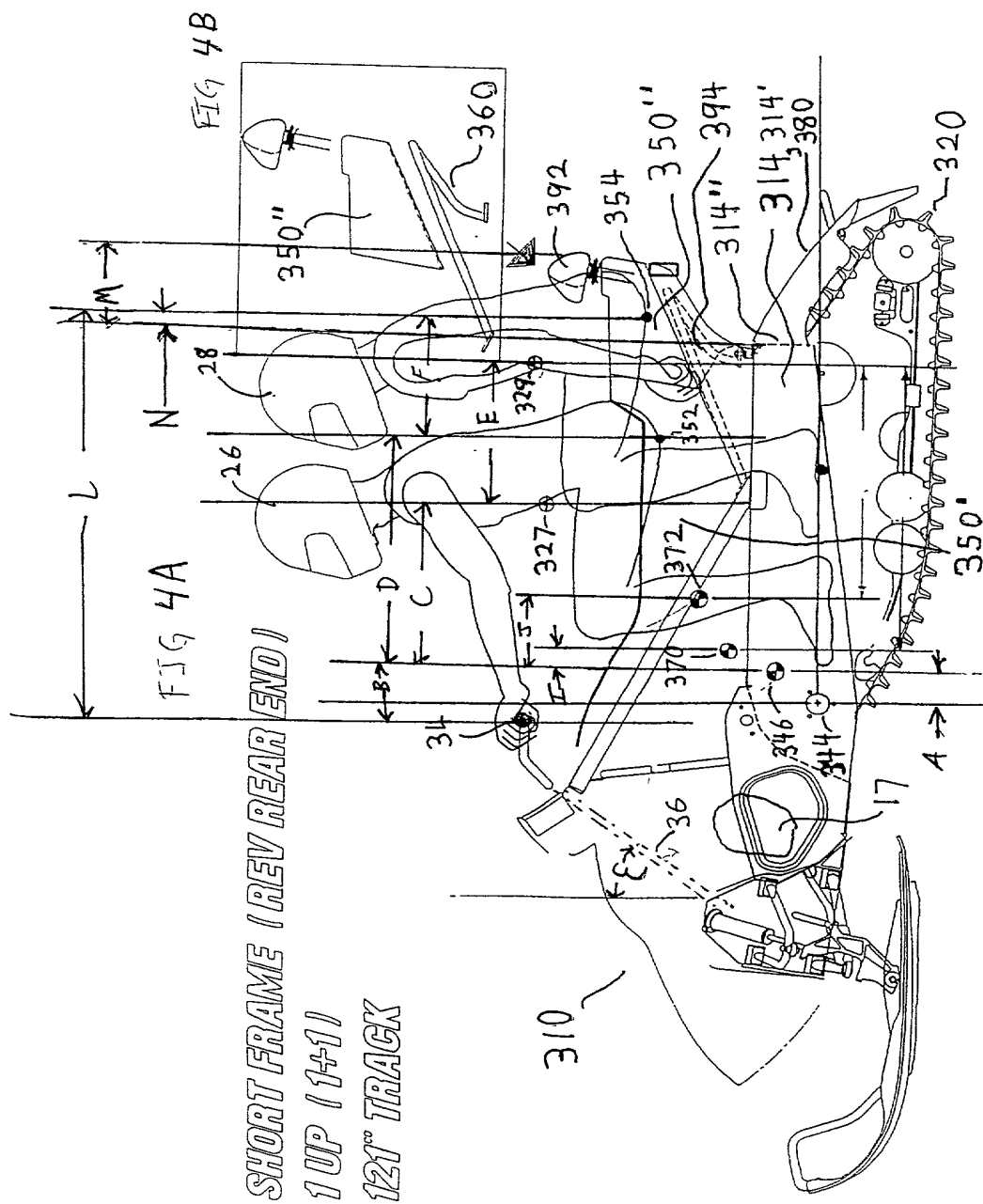
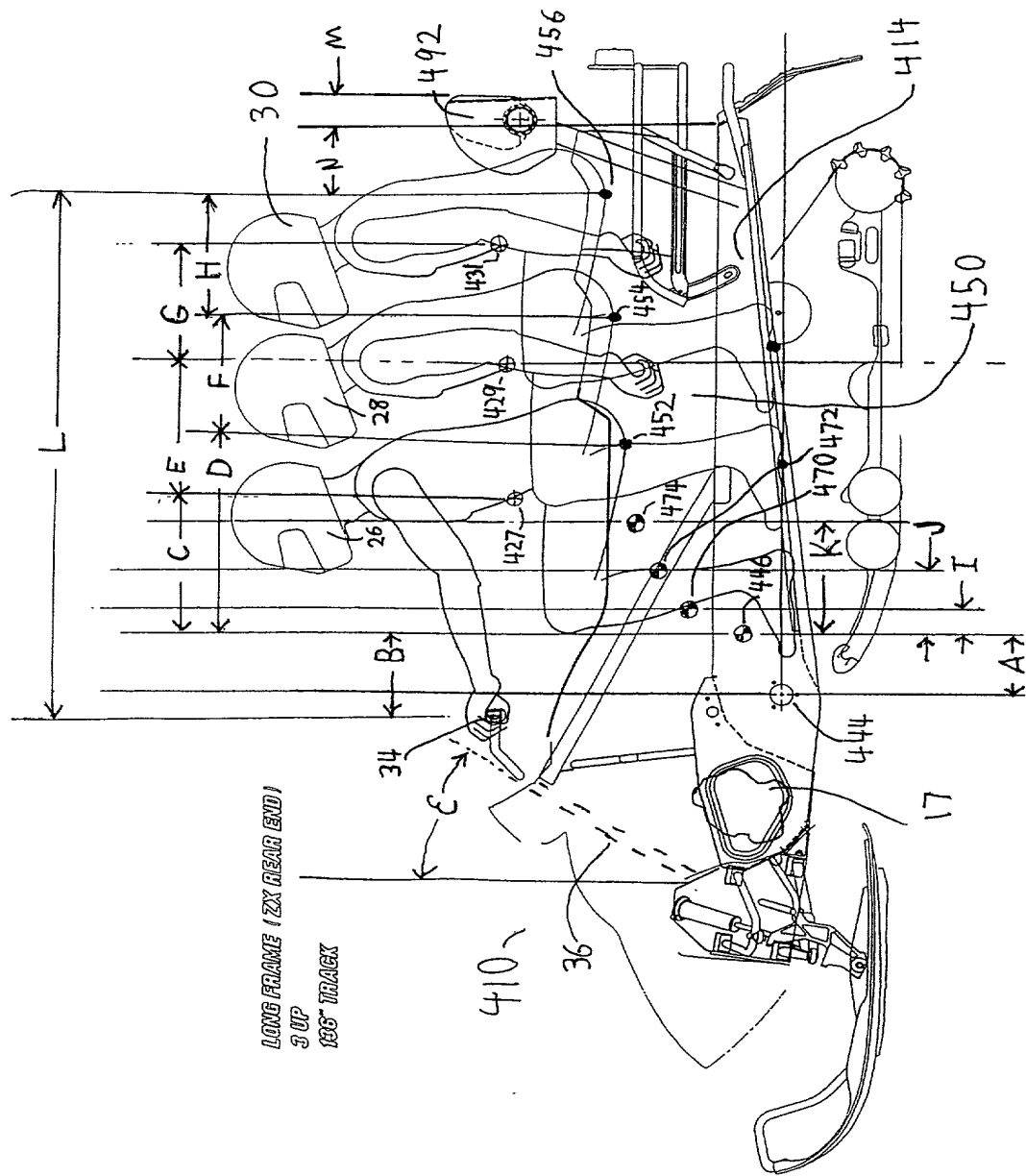


FIG 5



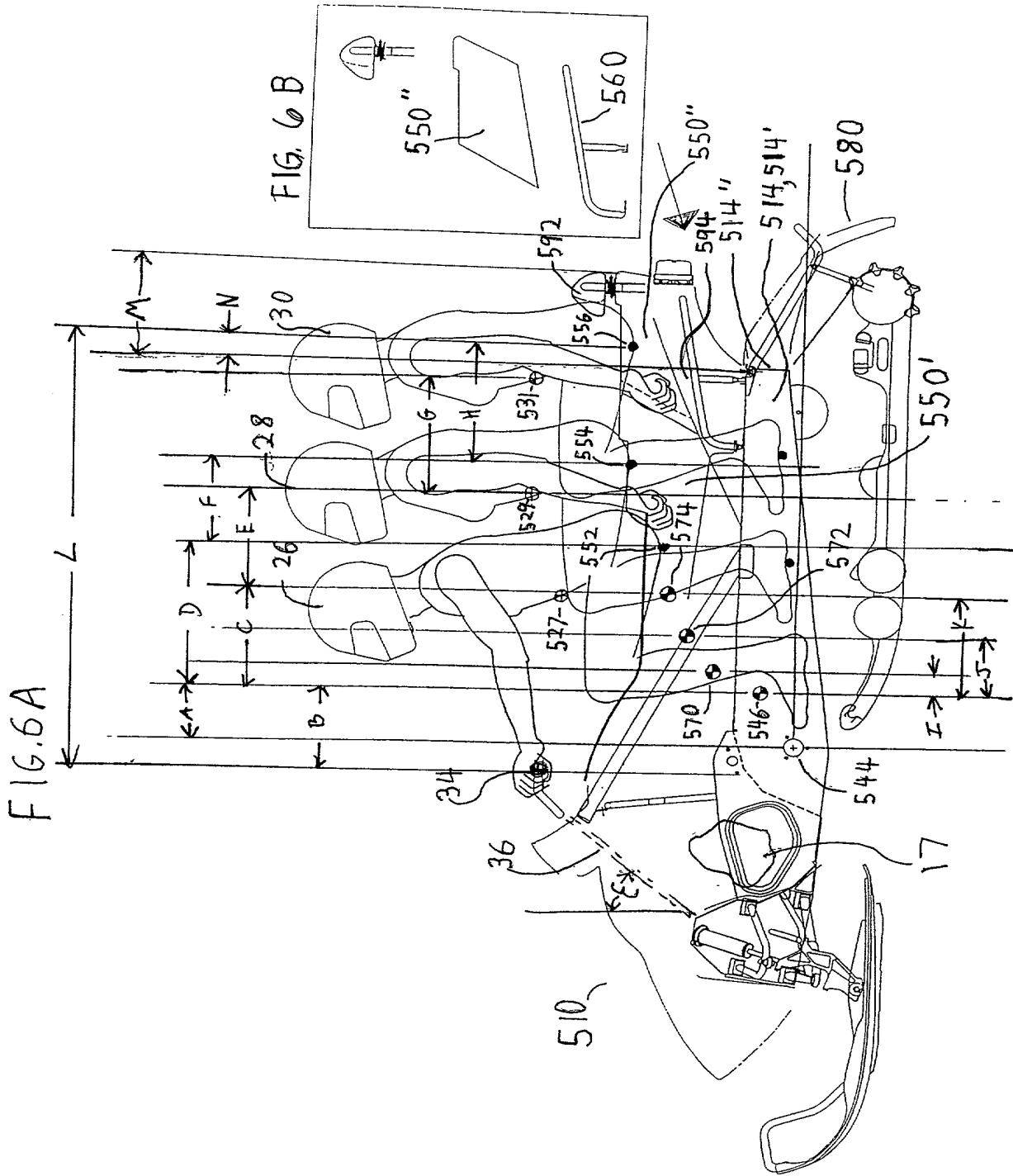


FIG. 7 is a schematic diagram of a person 26 seated in a chair 16, illustrating the dimensions of the chair and the person. The dimensions are labeled as follows: A is the height of the chair back, B is the height of the chair seat, C is the height of the chair backrest, D is the height of the person, E is the height of the person's torso, F is the height of the person's head, G is the height of the person's legs, H is the height of the person's feet, I is the height of the person's feet, J is the height of the person's feet, K is the height of the person's feet, L is the height of the person's feet, M is the height of the person's feet, N is the height of the person's feet, O is the height of the person's feet, P is the height of the person's feet, Q is the height of the person's feet, R is the height of the person's feet, S is the height of the person's feet, T is the height of the person's feet, U is the height of the person's feet, V is the height of the person's feet, W is the height of the person's feet, X is the height of the person's feet, Y is the height of the person's feet, Z is the height of the person's feet.

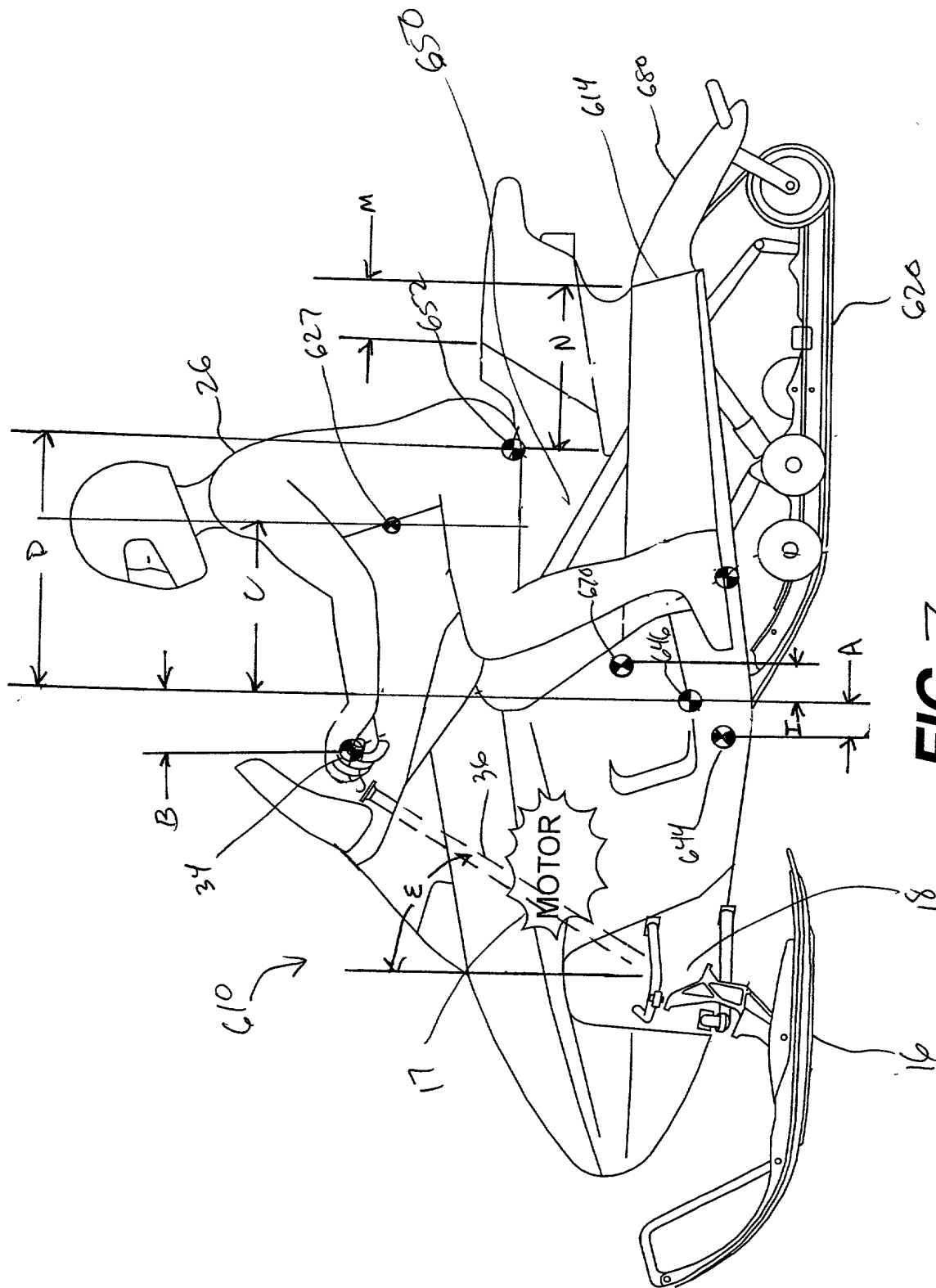


FIG. 7

Distance (mm)			Conventional		VEHICLE INVENTION					
ref. #	from:	to (going back):	Long	Short	1st Embodiment 2-up Long (FIG. 2)	2nd Embodiment 2-up Short (FIG. 3)	3rd Embodiment 1+1 Short (FIG. 4A)	4th Embodiment 3-up Long (FIG. 5)	5th Embodiment 2+1 Long (FIG. 6A)	6th Embodiment 1-Up (FIG. 7)
A	forward axle	CG(vehicle)	110	30	65	95	95	170	170	95
B	steering pos.	CG(vehicle)	-160	-240	130	160	160	235	235	160
C	CG(vehicle)	CG(rider 1)	645	725	350	320	320	245	245	320
D	CG(vehicle)	seat pos (1)	795	875	500	470	470	395	395	470
E	CG (rider 1)	CG(rider 2)	370	370	370	370	370	370	370	N/A
F	seat pos(1)	seat pos(2)	340	340	340	340	340	340	290	N/A
G	CG(rider 2)	CG(rider 3)	N/A	N/A	N/A	N/A	N/A	310	345	N/A
H	seat pos(2)	seat pos(3)	N/A	N/A	N/A	N/A	N/A	310	345	N/A
I	CG(vehicle)	CG (V+1 rider)	180	160	70	50	50	60	70	50
J	CG(vehicle)	CG (V+2 riders)	290	280	175	190	190	170	170	N/A
K	CG(vehicle)	CG (V+3 riders)	N/A	N/A	N/A	N/A	N/A	300	300	N/A
L	steer pos.	rear seat pos.	975	975	970	970	970	1280	1265	N/A
M	back of frame	back of seat	-50	0	100	-100	230	60	290	-110
N	back of frame	rear seat pos.	-290	-120	-130	-340	80	-200	60	-260
Angles (degrees)										
position vert. and steering shaft			>=45	>=45	ALL < 45, preferably 25-40, more preferably 30-35, most preferably 33					

FIGURE 8

Fig. 9

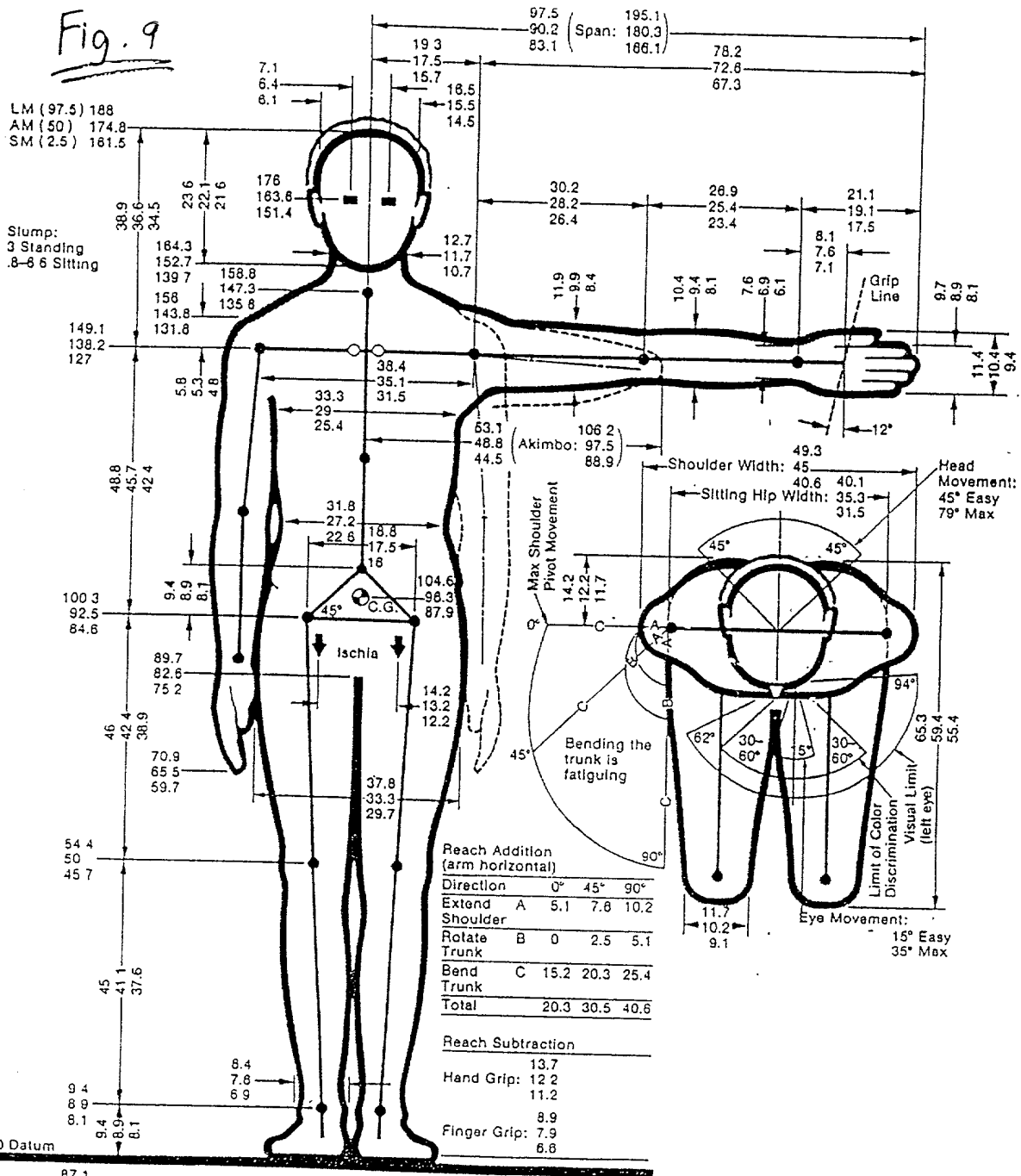


FIG. 10

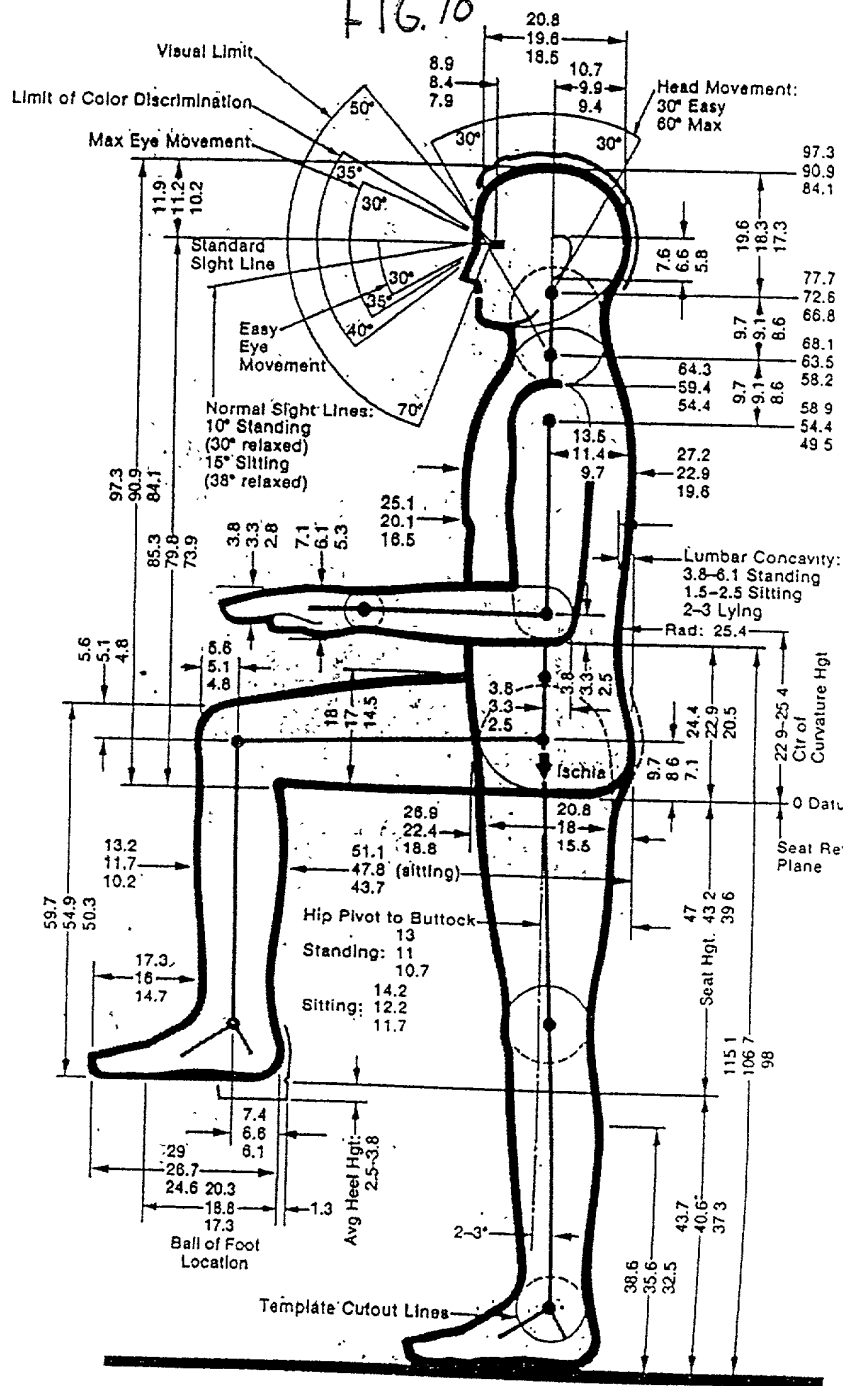


FIG. 11 A

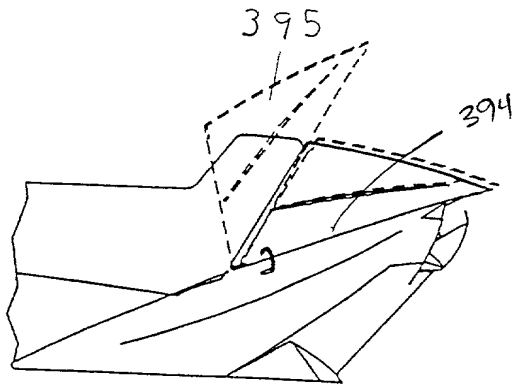


FIG. 11 B

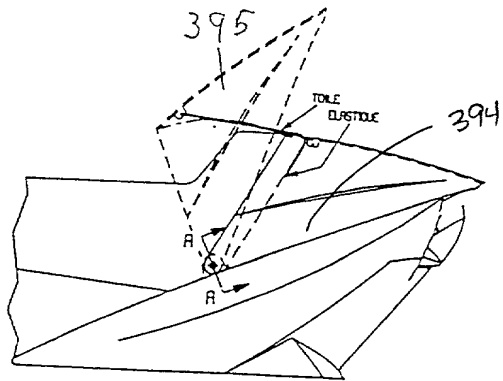


FIG. 11 C

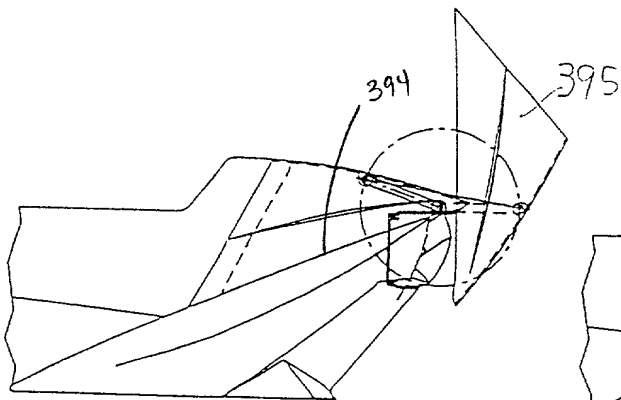


FIG. 11 D

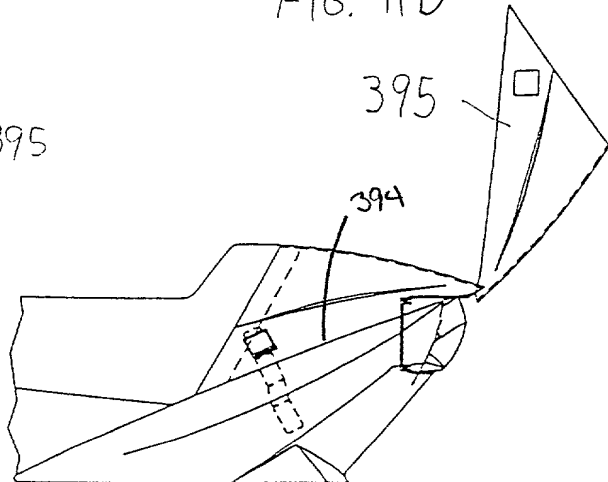


FIG. 12A

FIG. 12A

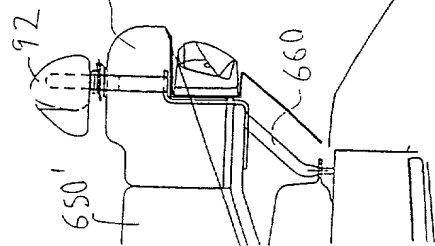


FIG. 12B

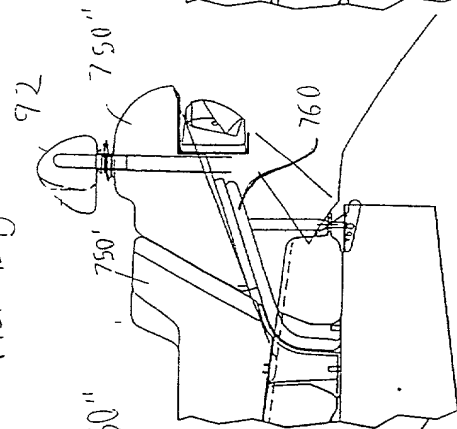


FIG. 12C

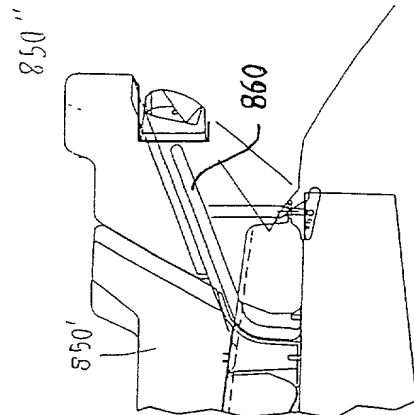


FIG. 12D

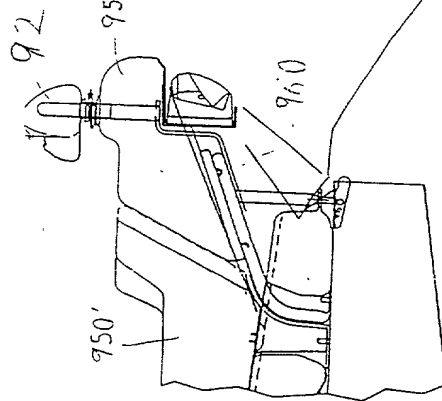


FIG. 12E

